



Date: November 13, 2003

I hereby certify that, on the date indicated above, I deposited this paper with identified attachments and/or fee with the U.S. Postal Service and that it was addressed for delivery to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by "First Class Mail to Addressee" service.

Kim Blum
Name (Print)

Kim Blum
Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: WICKERSHAM, Jr.)	Examiner: Unassigned
)	
Application No.: 10/674,281)	Group Art Unit: Unassigned
)	
Filed: September 29, 2003)	Confirmation No.: Unassigned
)	
Docket No. 02082CIP (3600-403-02))	

For: METHOD OF BONDING SPUTTERING TARGET MATERIALS

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97(b)

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

November 13, 2003

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. Since this application has a filing date after June 30, 2003, no copies of U.S. Patents/Patent Application Publications are provided.

This Information Disclosure Statement is being submitted before expiration of the three-month period following filing of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. *See* 37 CFR 1.104(a) and 1.106(b) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear

Information Disclosure Statement
U.S. Patent Application No. 10/674,281

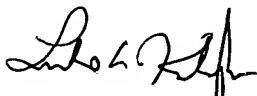
on the first page of any patent to issue therefrom.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in this application and applicant determines that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

It is believed that no fee is required to make this a complete and timely filing. However, if it is determined that a petition or fee is required, the Commissioner is hereby authorized to charge any fee associated with this statement to Deposit Account No. 03-0060.

Respectfully submitted,

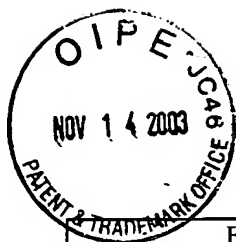


Luke A. Kilyk
Reg. No. 33,251

Atty. Docket No.: 02082CIP(3600-403-02)
KILYK & BOWERSOX, P.L.L.C.
53 A East Lee Street
Warrenton, VA 20186
Tel.: (540) 428-1701
Fax: (540) 428-1720
Enclosure: Form PTO-1449 w/2 documents



FORM PTO-1449 (REV 7-80)				Atty. Docket No. 02082CIP (3600-403-02)		Application No. 10/674,281	
INFORMATION DISCLOSURE STATEMENT				APPLICANT: Charles E. WICKERSHAM, Jr.			
				Filing Date: September 29, 2003		Group Art Unit: Unassigned	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE, IF APPROPRIATE
		4,468,313	8/28/84	Okumura et al.	204	298	
		4,887,761	12/19/89	Hardwick	228	107	
		5,009,765	4/23/91	Qamar et al.	204	298.12	
		5,025,974	6/25/91	Strickland	228	107	
		5,050,789	9/24/91	Bement et al.	228	107	
		5,067,649	11/26/91	Hardwick	228	107	
		5,104,027	4/14/92	Persson	228	107	
		5,143,590	9/1/92	Strothers et al.	204	298.12	
		5,226,579	7/13/93	Bergmann et al.	228	107	
		5,230,459	7/27/93	Mueller et al.	228	164	
		5,242,098	9/7/93	Hardwick	228	107	
		5,318,213	6/7/94	Strickland et al.	228	107	
		5,323,955	6/28/94	Bergmann et al.	228	262.7	
		5,342,496	8/30/94	Stellrecht	204	298.12	
		5,400,945	3/28/95	Bergmann et al.	228	107	
		5,487,822	1/30/96	Demaray et al.	204	298.09	
		5,522,535	6/4/96	Ivanov et al.	228	122.1	
		5,676,803	10/14/97	Demaray et al.	204	192.12	
		5,593,082	1/14/97	Ivanov et al.	228	122.1	
		5,827,414	10/27/98	Westwood	204	298.12	
		5,922,176	7/13/99	Caskey	204	192.12	
		5,961,027	10/5/99	Szecket	228	107	
		6,033,483	3/7/00	Demaray et al.	118	733	
		6,035,785	3/14/02	Sabathier et al.	102	476	
		6,164,519	12/26/00	Gilman et al.	228	107	
		6,283,357	9/4/01	Kulkarni et al.	228	155	



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U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE, IF APPROPRIATE
	6,073,830	6/13/00	Hunt et al.	228	203	
	US 2001/0046610 A1	11/29/01	Barnes et al.	428	670	
	US 2002/0162741 A1	11/7/02	Gogh	204	298.12	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
JP 59-181623	10/16/84	Japan			Yes, Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Article, "Fabrication of Bimetallic Ta-Cu Targets by Explosion Welding," by M. Turňa et al., published in the PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON INTENSE DYNAMIC LOADING AND ITS EFFECTS, June 3-7, 1986, Beijing, China (pp. 991-996).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.